

100

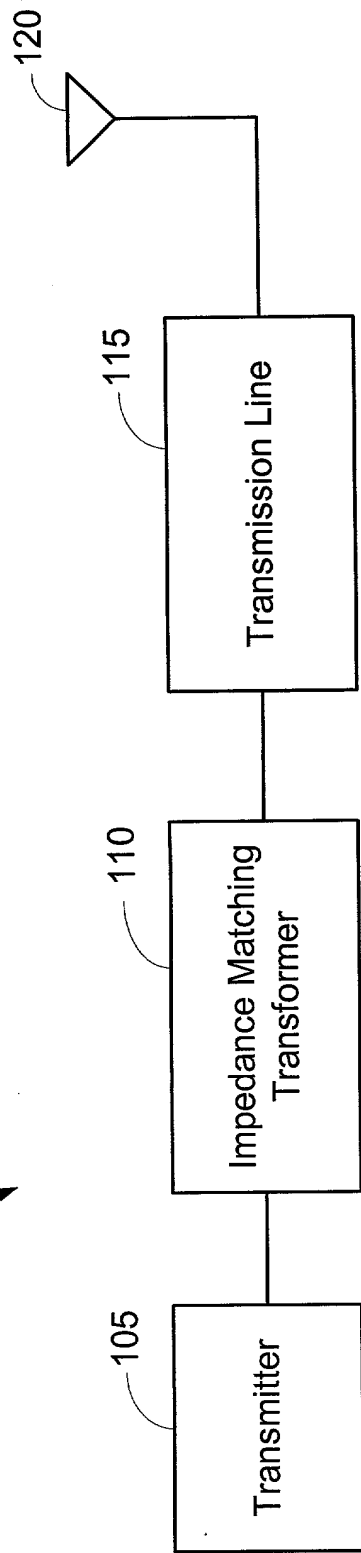


Figure 1

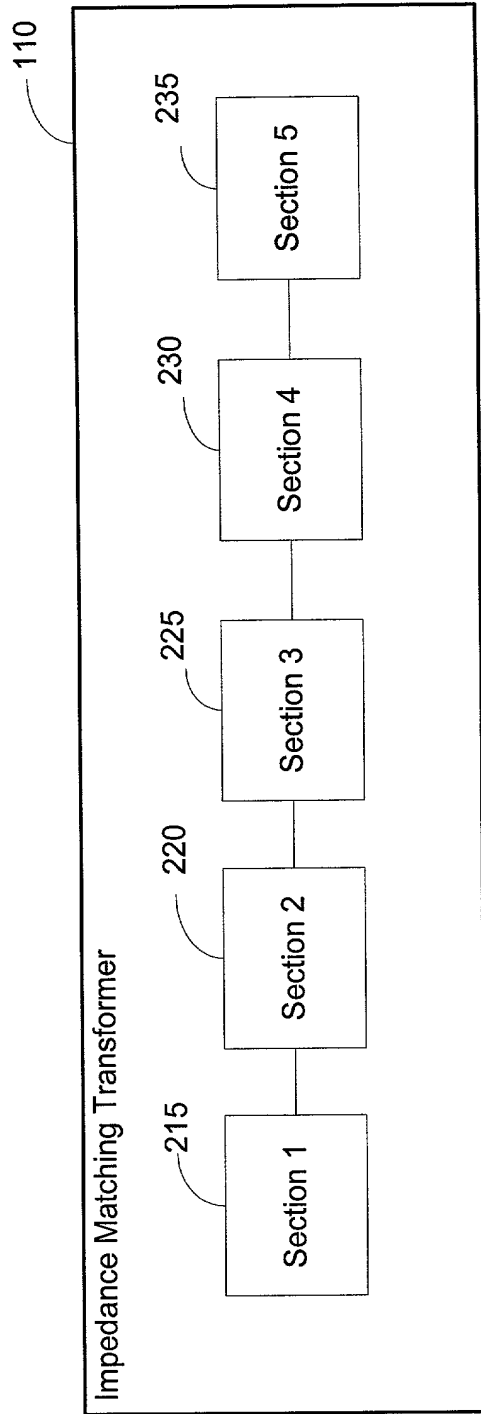


Figure 2

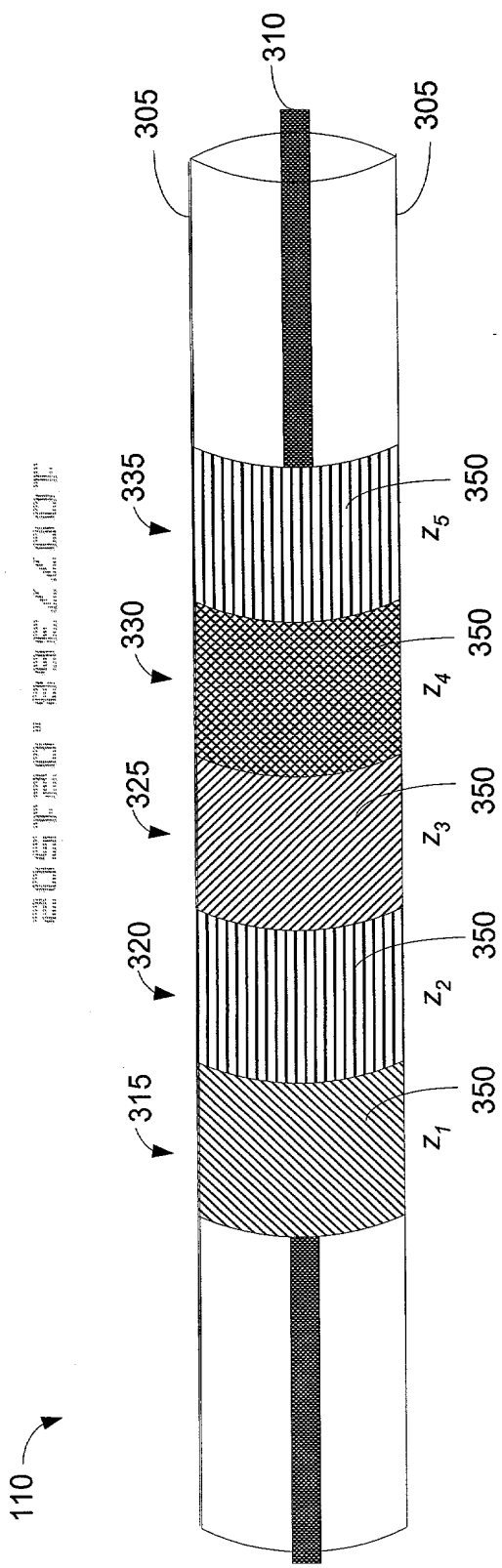


Figure 3A

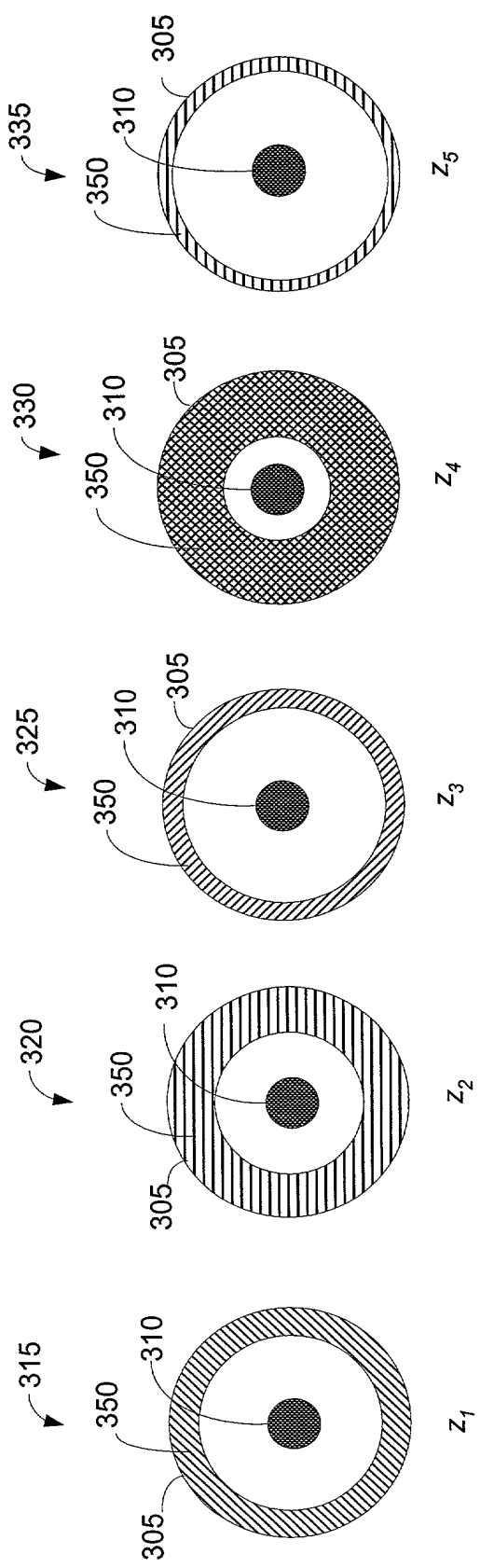


Figure 3B

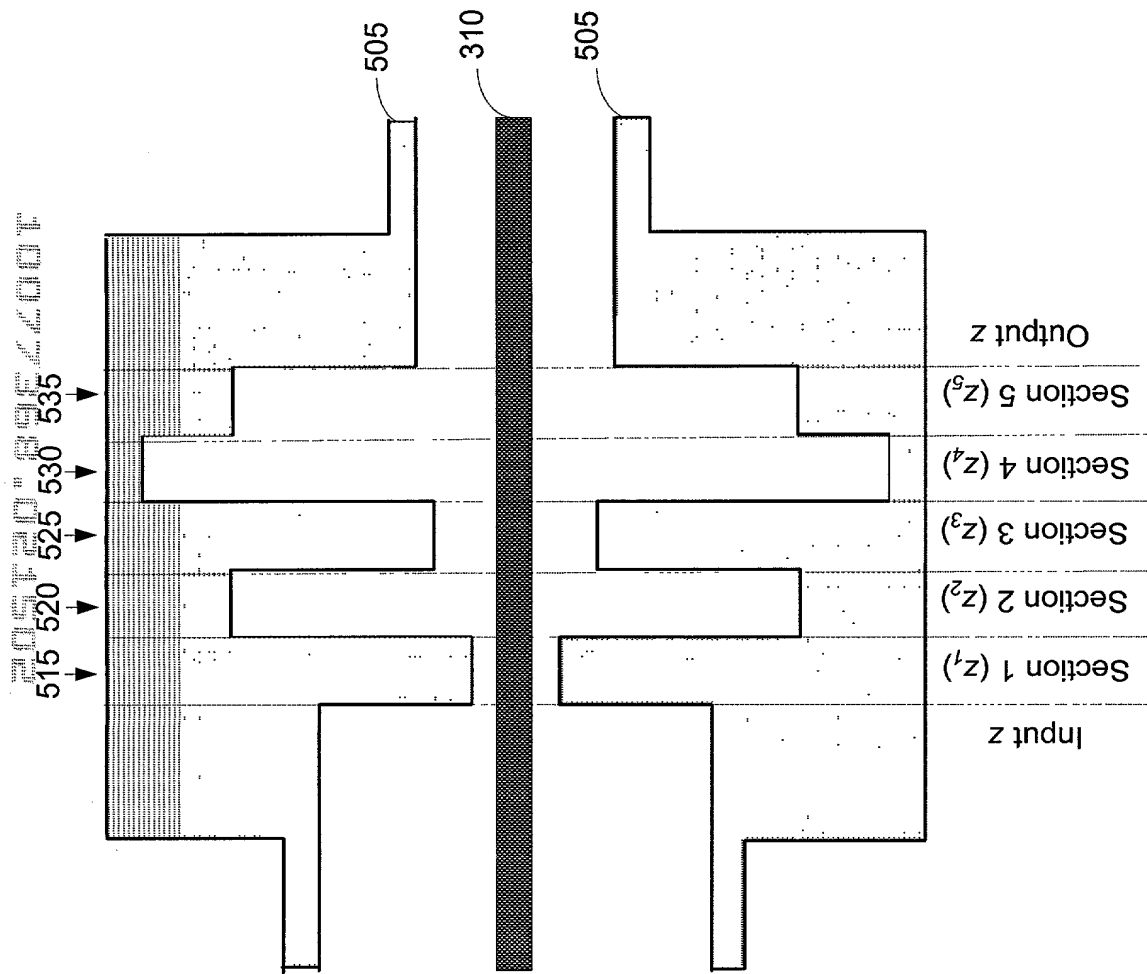
Table 1 - Normalized "step-down" ratio design criteria

Ratio	Input Z	Section 1	Section 2	Section 3	Section 4	Section 5	Output Z
1.50	1.0	0.376	0.250	1.500	1.500	2.000	0.667
2.00	1.0	0.125	2.000	1.000	0.500	2.000	0.500
2.25	1.0	0.125	1.500	0.334	2.000	1.500	0.444
2.50	1.0	0.150	0.250	1.000	1.500	2.000	0.400
3.00	1.0	0.125	0.250	1.000	1.500	2.000	0.334
3.50	1.0	0.150	0.150	0.750	1.500	2.000	0.286
4.00	1.0	0.125	0.125	2.000	1.500	0.668	0.250
6.00	1.0	0.083	0.125	1.000	1.000	1.500	0.167
8.00	1.0	0.063	0.125	2.000	0.500	0.668	0.125

Table 2 - Normalized "step-up" ratio design criteria

Ratio	Input Z	Section 1	Section 2	Section 3	Section 4	Section 5	Output Z
1.50	0.667	2.000	1.500	1.500	0.250	0.376	1.0
2.00	0.500	2.000	0.500	1.000	2.000	0.125	1.0
2.25	0.444	1.500	2.000	0.333	1.500	0.125	1.0
2.50	0.400	2.000	1.500	1.000	0.250	0.150	1.0
3.00	0.333	2.000	1.500	1.000	0.250	0.125	1.0
3.50	0.286	2.000	1.500	0.750	0.150	0.150	1.0
4.00	0.250	0.668	1.500	2.000	0.125	0.125	1.0
6.00	0.167	1.500	1.000	1.000	0.125	0.083	1.0
8.00	0.125	0.668	0.500	2.000	0.125	0.063	1.0

Figure 4



**Figure 5**

110

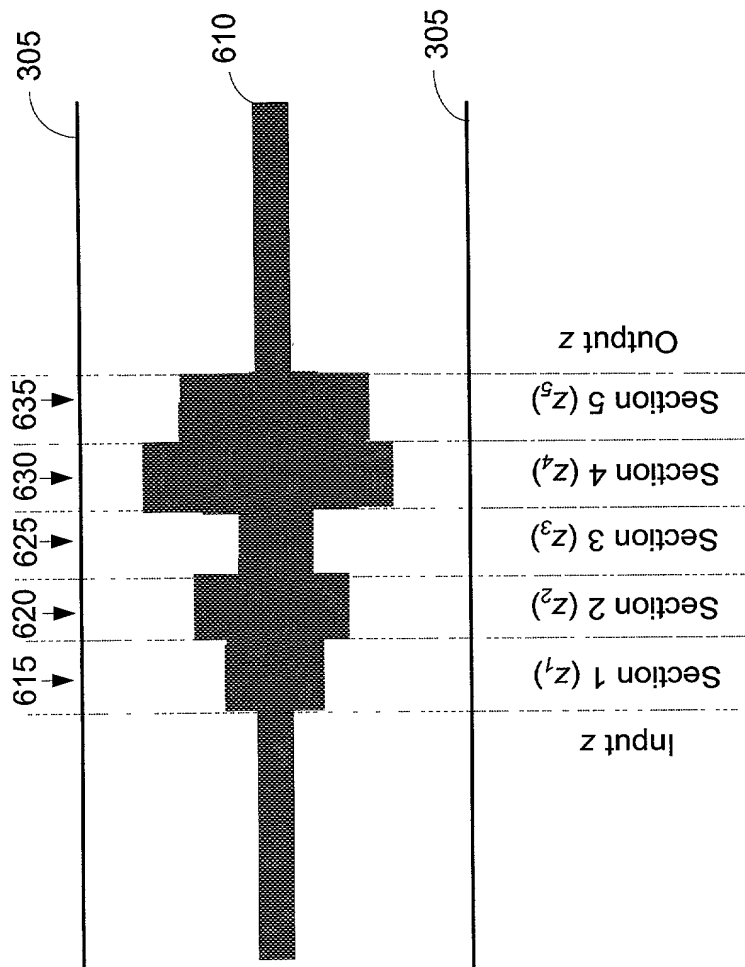
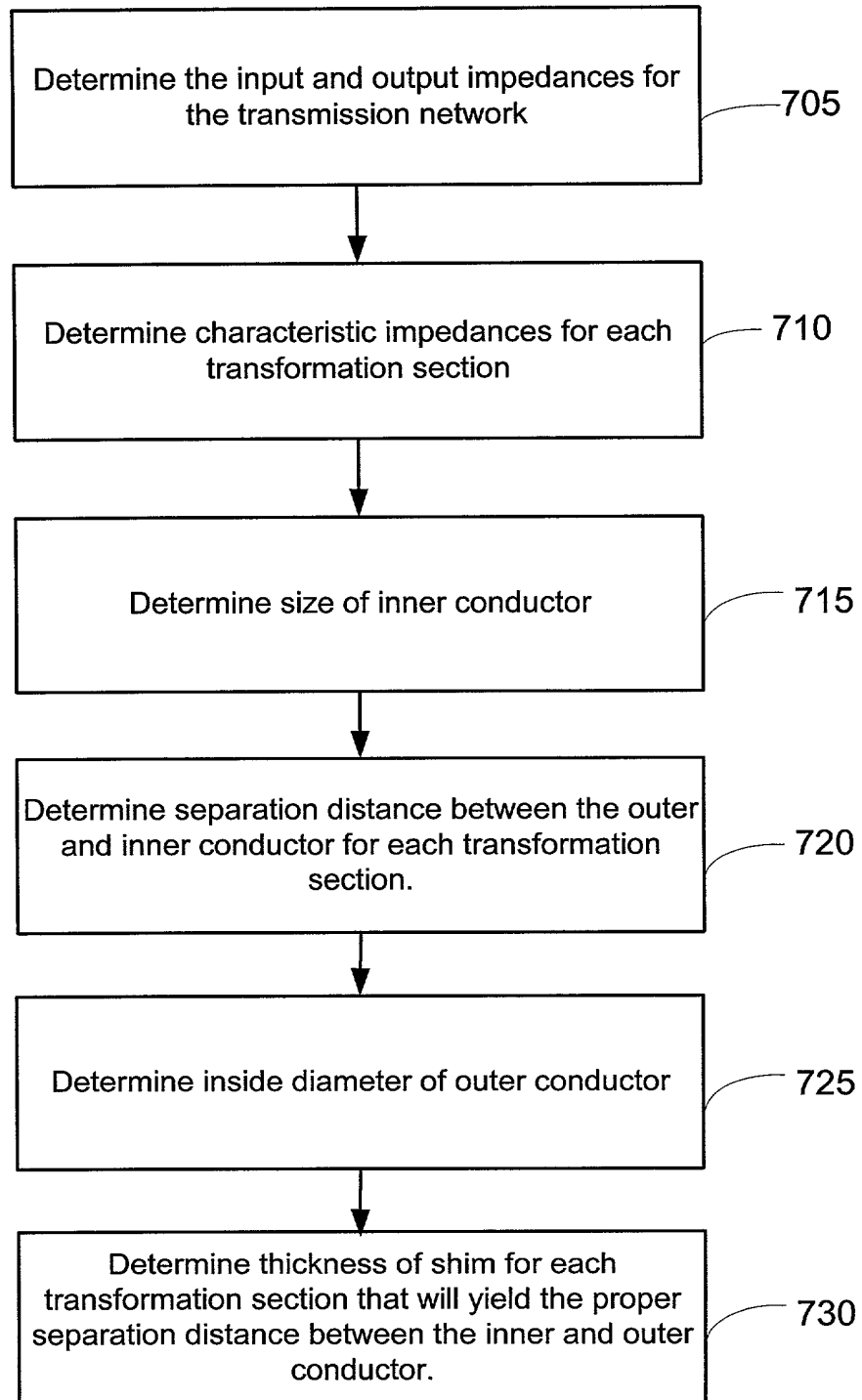


Figure 6

700



**Figure 7**